

## TECHNICAL SPECIFICATIONS

### INDUSTRIAL GRADE SILICONE RUBBER SHEETS | ITEM CODE : SR60125

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.25 gm/cm <sup>3</sup>	DIN 53508	1.25 gm/cm <sup>3</sup>
HARDNESS	ASTM D2240	60 ± 5 Sh A	DIN 53505	60 ± 5 Sh A
TENSILE STRENGTH(min)	ASTM D412	1000 PSI	DIN 53504	70 kg/cm <sup>2</sup>
ELONGATION AT BREAK (min)	ASTM D412	300 %	DIN 53504	300%
COMPRESSION SET (70 <sup>0</sup> C/ 24 HRS/ 25% SET) (max)	ASTM D395 METHOD B	0.25	DIN 53517	35%
TEAR RESISTANCE (Angular ) min	ASTM D624	112 Lbs/Inch	DIN 53515	20 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70 <sup>0</sup> C)	ASTM D573			
---HARDNESS (Pts)		+5(Max)		+5 (Max)
---TENSILE STRENGTH (%)		+10/-10		+10/-10
---ELONGATION AT BREAK (%)		+10/-20		+10/-20
VOLUME SWELL : AT 70 <sup>0</sup> C FOR 72 HRS/IN	ASTM D471			
Fuel B		+25%		+25%
POLYMER CONTENT (NR)		100%		100%
CHEMICAL RESISTANCE				
---OZONE	ASTM D1149	EXCELLENT		EXCELLENT
---DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
---CONCENTRATED ACIDS AND BASES		GOOD		GOOD
---OILS		GOOD		GOOD
---SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-60 <sup>0</sup> to +300 <sup>0</sup> C		-60 <sup>0</sup> to +300 <sup>0</sup> C
COLOUR		RED/TRANSLUCENT/ WHITE		RED/TRANSLUCENT/ WHITE



*This data is recorded under a controlled environment & and at-most emphasis is given for correctness, however doesn't purport to be exclusive. As observed in the live working environment, particular operating conditions influence the properties & durability of product. We recommend users to themselves workout their specific applications & product efficiency.*

**Head Office:** 10A, Sikka MK House, Main Madhuban Road, New Delhi-110092 | **PH:** 011-49270590  
**Works:** B-5, Nandgaon Road, UPSIDC Indl. Area, Kosi Kalan, Mathura-281403 | **PH:** +91 98101 10578